MODEL G1014Z/G1014ZX COMBINATION SANDER
MANUAL UPDATE

This update covers changes made to the machine after the owner's manual was printed. All page number references refer to the owner's manual for this machine. Keep this update with your owner's manual for future reference. *If you have questions, contact Tech Support at (570) 546-9663 or by email at techsupport@grizzly.com.*

What Changed?

We have added a sleeve guard to the sander to help reduce the risk of entanglement. The sleeve guard MUST be installed on the idler roller guard using the lock knobs and flat washers, as shown in **Figure 1**.

Install the idler roller guard and sleeve guard onto the idler roller after belt tension and tracking are properly set, as described on G1014Z Manual **Pages 12 & 13**.

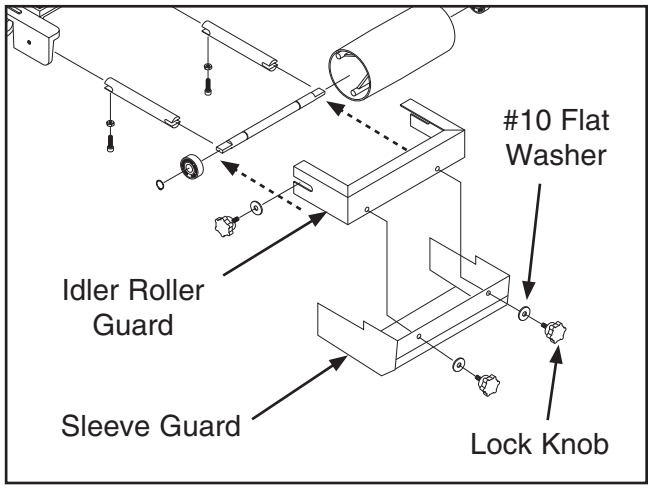

Figure 1. Installing sleeve guard.

Machine Inventory **(See Page 6)**

The following items have been added. Refer to the full manual for a description of the main inventory.

Box Contents:		**Qty**
A.	Sleeve Guard	1
B.	Lock Knobs	2
C.	Flat Washers #10	2

New Sleeve Guard Parts

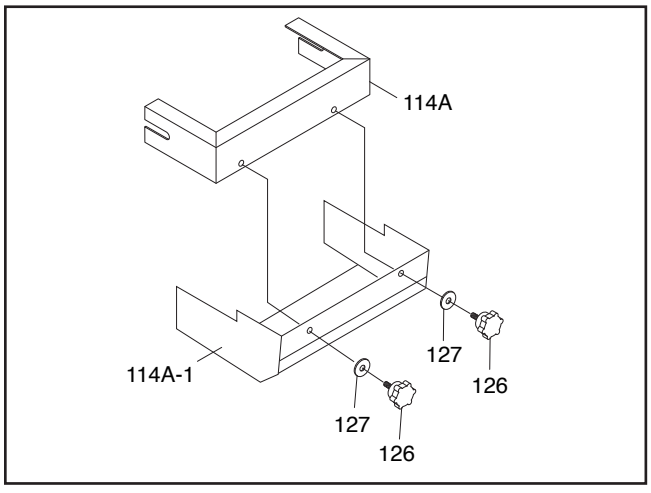

Figure 2. New sleeve guard parts.

REF	PART #	DESCRIPTION
114A	P1014Z114A	IDLER ROLLER GUARD V2.03.08
114A-1	P1014Z114A-1	SLEEVE GUARD
126	P1014Z126	LOCK KNOB
127	PW03	FLAT WASHER #10

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Manual Insert

Model G1014ZX

Combination Sander

Introduction

The Model G1014ZX is the same sander as the Model G1014Z with the addition of the cabinet stand. Please use the included G1014Z manual for reference and for ordering parts that are not listed on the back of this insert.

Figure 1. Model G1014ZX.

Assembly

1. Insert 5/16-18 x 1" hex bolts into each of the rubber feet.

2. Secure the rubber feet to the bottom of the cabinet stand with 5/16" flat washers and 5/16-18 hex nuts.

3. With the help of an assistant, place the sanding unit on the top of the cabinet stand and attach it with 5/16-18 x 1/2" hex bolts and 5/16" flat washers.

4. Plug the motor power cord into the power cord protruding from the back of the cabinet.

5. Complete the rest of the assembly and adjustments as explained in the G1014Z manual.

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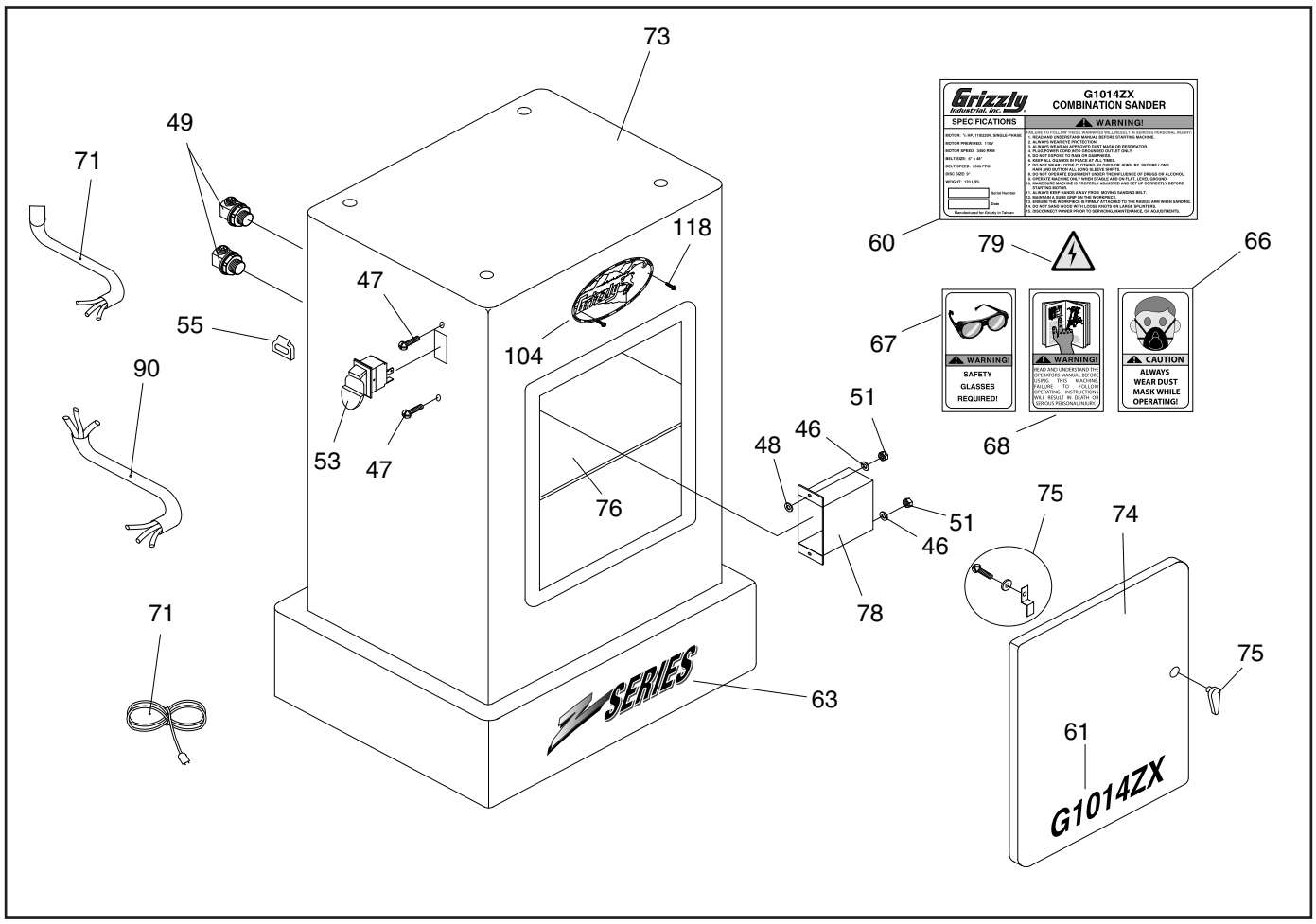
G1014ZX Replacement Parts



REF	PART #	DESCRIPTION
46	PW03	FLAT WASHER #10
47	PFS03	FLANGE SCREW 10-24 X 3/8
48	PTLW01	EXT TOOTH WASHER #10
49	P1014049	STRAIN RELIEF
51	PN07	HEX NUT 10-24
53	PSW06	PADDLE SWITCH 110/220V W/ KEY
55	PSW09-1	PADDLE SWITCH KEY
60	P1014ZX060	MACHINE ID/WARNING
61	P1014ZX061	G1014ZX LABEL
63	PLABEL-4	Z SERIES LABEL - 2 1/2" X 9"
66	PLABEL-32	DUST MASK LABEL 2" X 3 5/16"
67	PLABEL-11	SAFETY GLASSES 2" X 3 5/16"

REF	PART #	DESCRIPTION
68	PLABEL-12	READ MANUAL 2" X 3 5/16"
71	PWRCRD110L	POWER CORD 110V, LONG W/PLUG
72	P1014ZX072	MOTOR CORD (2)
73	P1014ZX073	CABINET
74	P1014ZX074	CABINET DOOR
75	P1014ZX075	DOOR LATCH SYSTEM
76	P1014ZX076	SHELF
78	P1014ZX078	SWITCH HOUSING
79	PLABEL-14	ELECTRICITY LABEL
90	P1014090	MOTOR CORD (1)
104	G8588	GRIZZLY NAMEPLATE- SMALL
118	PHTEK24	TAP SCREW #5 X 3/8

NOTICE

All parts for the Model G1014ZX, except those shown above, are the same as the Model G1014Z. Therefore, please use the included Model G1014Z manual when ordering new parts for your machine, unless those parts are shown above.

INDUSTRIAL, INC.

COMBINATION SANDER

MODEL G1014Z

INSTRUCTION MANUAL

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WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemical are:

- **Lead from lead-based paints.**
- **Crystalline silica from bricks, cement and other masonry products.**
- **Arsenic and chromium from chemically-treated lumber.**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Table Of Contents

PAGE

1. **SAFETY** 2
   - SAFETY RULES FOR ALL TOOLS 2
   - ADDITIONAL SAFETY INSTRUCTIONS FOR SANDERS....3
2. **CIRCUIT REQUIREMENTS**.... 4
   - 110V OPERATION 4
   - GROUNDING 4
3. **GENERAL INFORMATION** 5
   - UNPACKING 6
   - PIECE INVENTORY 6
   - CLEAN UP....7
   - SITE CONSIDERATIONS 7
4. **ASSEMBLY** 8
   - ORDER OF ASSEMBLY 8
   - STAND 8-9
   - SANDING UNIT....10-11
5. **ADJUSTMENTS** 12
   - BELT REPLACEMENT....12
   - BELT TRACKING....12
   - BELT TENSIONING 13
   - VERTICAL POSITIONING 14
   - CHANGING DISCS 15
   - TABLE TILT 15
6. **OPERATIONS** 16
   - TEST RUN 16
   - HORIZONTAL SANDING....16
   - CURVED SANDING....17
   - DISC SANDING 17
7. **MAINTENANCE**....18
   - LUBRICATION 18
   - V-BELT 18
   - TABLE 18
   - GENERAL....18
8. **CLOSURE** 19
   - MACHINE DATA 20
   - PART BREAKDOWNS 21-23
   - PART LIST 24
   - WARRANTY AND RETURNS 25

SECTION 1: SAFETY

WARNING: For Your Own Safety Read Instruction Manual Before Operating Sander

a) Always wear eye protection.

b) When belt sanding, support the workpiece with a miter gauge, backstop or the worktable.

c) When disc sanding, support the workpiece on the worktable.

f) Maintain 1/16" maximum clearance between the work table and the sanding belt or disc.

Safety Instructions For Power Tools

These safety rules cannot cover every situation in a work shop. Consider your conditions when setting up or operating your jointer.

1. **KEEP GUARDS IN PLACE** and in working order.

2. **REMOVE ADJUSTING KEYS AND WRENCHES**. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning on.

3. **KEEP WORK AREA CLEAN**. Cluttered areas and benches invite accidents.

4. **DON'T USE IN DANGEROUS ENVIRONMENT**. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.

5. **KEEP CHILDREN AWAY**. All visitors should be kept a safe distance from work area.

6. **MAKE WORK SHOP KID PROOF** with padlocks, master switches, or by removing starter keys.

7. **DON'T FORCE TOOL**. It will do the job better and safer at the rate for which it was designed.

8. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.

9. **USE PROPER EXTENSION CORD**. Make sure your extension cord is in good condition. When using an extension cord, be sure it is rated Hard Service (grade S) or better. Conductor size must be 16 A.W.G. for cords up to 100 feet in length. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Your extension cord must also contain a ground wire and plug pin. Always repair or replace extension cords if they become damaged. Minimum Gage for extension cord:

16 A.W.G.	**50ft**
16 A.W.G.	**100ft**
14 A.W.G.	**200ft**
12 A.W.G.	**300ft**

10. **WEAR PROPER APPAREL** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.

13. **DON'T OVERREACH.** Keep proper footing and balance at all times.

14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

15. **DISCONNECT TOOLS** before servicing and changing accessories, such as blades, bits, cutters, and the like.

16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.

17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.

18. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

19. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

20. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

Additional Safety Instructions For Sanders

1. Be aware of belt or disc rotation when sanding.

2. Keep fingertips away from the moving belt or disc.

3. Never use excessive force when sanding. Doing this greatly increases the chances of personal injury and motor overload.

4. Always feed the work against the direction of rotation

5. Even if you have a reliable method of dust collection, use a dust mask or respirator when sanding, as well as eye and ear protection.

6. If there is any doubt as to the stability or integrity of the material to be sanded, **don't sand it.**

7. Do not operate sander with a damaged or badly worn disc or belt.

8. When disc sanding, feed material into the portion of the disc spinning *down* toward the table.

9. Habits — good or bad — are hard to break. Develop good habits and safety will become second nature to you.

SECTION 2: CIRCUIT REQUIREMENTS

110V Operation

The 3/4 H.P. motor will safely draw 10 amps at 110V. If you operate this sander on any circuit that is already close to its capacity, it might blow a fuse or trip a circuit breaker. However, if an unusual load does not exist, and power failure still occurs, have the circuit inspected by a qualified electrician.

Grounding

CAUTION: THIS TOOL MUST BE GROUNDED WHILE IN USE TO PROTECT THE OPERATOR FROM ELECTRIC SHOCK.

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Improper connections of the electrical-grounding conductor can result in risk of electric shock. The conductor with green or green and yellow striped insulation is the electrical-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment grounding conductor to a live terminal.

Under no circumstances should the grounding pin from any three-pronged plug be removed. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Check with a qualified electrician or one of our service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded. Use only 3-wire extension cords that have 3-prong grounding type plugs and 3-hole receptacles that accept the tool's plug. **FIgure 1.**

Repair or replace damaged or worn cord immediately.

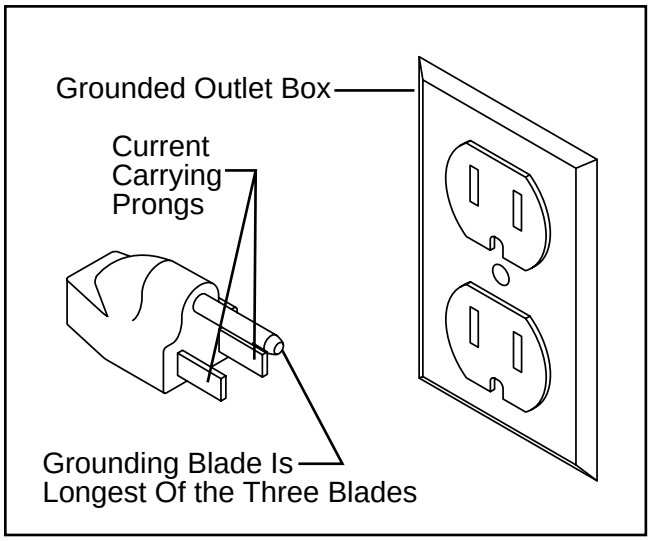


Figure 1.

SECTION 3: GENERAL INFORMATION

We are proud to bring you the Model G1014Z Combination Sander. The Model G1014Z is part of a growing Grizzly family of fine woodworking machinery. When used according to the guidelines set forth in this manual, you can expect years of trouble-free, enjoyable operation and proof of Grizzly's commitment to customer satisfaction.

The Model G1014Z is a combination 6" x 48" belt and 9" disc sander that is capable of a wide variety of operations. The 6" wide belt enables you to sand large areas flat very quickly, and the 9" disc and table allow sanding at many different angles. The G1014Z comes complete with stand, miter gauge, motor and electrical package.

We are also pleased to provide this instruction manual with the Model G1014Z Combination Sander. This instruction manual was written to guide you through assembly, review safety considerations and cover general operating procedures. It represents our latest effort to produce the best documentation possible. If you have any constructive criticisms or comments that you feel we should include in our next printing, please write to us at the Bellingham, WA address at the end of this section.

Most important, we stand behind our machines. We have two excellent regional service departments at your disposal should the need arise. If you have any service questions or parts requests, please call or write to us at the location listed below.

Grizzly Industrial, Inc.
1203 Lycoming Mall Circle
Muncy, PA 17756
Phone:(570) 546-9663
Fax:(800) 438-5901
E-Mail: techsupport@grizzly.com
Web Site: http://www.grizzly.com

To comment on this manual write to:

Grizzly Industrial, Inc.
% Technical Documentation
P.O. Box 2069
Bellingham, WA 98227

To operate this, or any other power tool safely and efficiently, it is essential to become as familiar with it as possible. The time you invest before you begin to use your Model G1014Z will be time well spent. **DO NOT** operate this machine until you are familiar with the contents of this manual.

Unpacking

The Model G1014Z Sander is shipped from the manufacturer in a carefully packed carton. If you discover the machine is damaged after you've signed for delivery, *please call our Customer Service number immediately for advice.*

Save the containers and all packing materials for possible inspection by the carrier or its agent. *Otherwise filing a freight claim can be difficult.*

Caution: The G1014Z is a heavy machine (120 lbs. shipping weight). **DO NOT** over-exert yourself while unpacking or moving your machine – get assistance. In the event that your Sander must be moved up or down a flight of stairs, be sure that the stairs are capable of supporting the combined weight of people and the machine.

When you are completely satisfied with the condition of your shipment, you should inventory its parts.

Piece Inventory

After all the parts have been removed from the container, you should have:

1	Sanding Unit
1	Sanding Belt
1	Sanding Disc
1	Cast Iron Disc
1	Idler Roller
1	Back Stop
1	Miter Gauge
1	Work Table
1	Table Support Rod
4	Stand Legs
4	Upper Stand Braces
2	Lower Stand Braces
4	Rubber Feet
1	Quick Release Handle
1	Dust Port
1	Idler Roller Guard
1	Bolt Bag

Contents of the Bolt Bag

QTY.	DESCRIPTION	LOCATION
16	5/16"-18 x 1/2" Carriage Bolts	Stand
16	5/16" Flat Washers	Stand
16	5/16"-18 Hex Nuts	Stand
4	5/16"-18 x 1/2" Hex Bolts	Stand/Base
4	5/16" Flat Washers	Stand/Base
4	5/16"-18 x 1" Hex Bolts	Stand /Feet
8	5/16" Flat Washers	Stand /Feet
4	5/16"-18 Hex Nuts	Stand /Feet

In the event that any non-proprietary parts are missing (e.g. a nut or a washer...), we would be glad to replace them, or, for the sake of expediency, replacements can be obtained at your local hardware store.

Clean up

The work table and other unpainted parts of the Model G1014Z are coated with a waxy oil that protects them from corrosion during shipment. Remove the protective coating with mineral spirits and cloth rags. Do not use gasoline or other petroleum based solvents because of their extremely low flash points. Do not use chlorine-based solvents – if you happen to splash some onto a painted surface, you'll ruin the finish.

WARNING!

Follow the safety rules listed below when working with solvents:

1. Read and follow all directions and warnings on the solvent label.
2. Work only in a well ventilated area.
3. Do not work near any type of open flame (e.g., pilot lights, kerosene heaters, and so on).
4. **DO NOT** smoke while working with flammable material.
5. Paper towels and rags from the cleaning process are extremely combustible. Dispose of waste towels so they do not create a fire hazard.

Site Considerations

1. **Floor Load:** Your G1014Z Sander represents a medium weight load in a small footprint. Most commercial floors are suitable for the Model G1014Z. Some residential floors may require additional build up to support both machine and operator.
2. **Working Clearances:** Consider existing and anticipated needs, size of material to be processed through each machine, and space for auxiliary stands, work tables or other machinery when establishing a location for your sander.
3. **Lighting and Outlets:** Lighting should be bright enough to eliminate shadow and prevent eye strain. Electrical circuits should be dedicated or large enough to handle amperage requirements. Outlets should be located near each machine so power or extension cords are clear of high-traffic areas. Observe local electrical codes for proper installation of new lighting, outlets, or circuits.

SECTION 4: ASSEMBLY

Order Of Assembly

Most of your Combination Sander has been assembled at the factory. The few remaining pieces will go together quickly and should be done in the following order:

1. Stand
2. Mounting Sanding Unit
3. Attaching the Back Stop
4. Attaching Sanding Disc
5. Mounting the Work Table

Note: All die-cut metal parts have a sharp edge (called “flashing”) on them after they are formed. This is removed at the factory. Sometimes, though, a bit of flashing might escape inspection. Please examine the edges of all die-cut metal parts before handling them.

TOOLS REQUIRED: Only a few common tools are required to assemble your Combination Sander. Specifically, these are: 6" adjustable wrench, 12mm open end wrench, regular screwdriver, Phillips screwdriver, and a 4mm Allen wrench.

Stand

The G1014Z Combination Sander stand is an open frame style. The four legs are connected with top and bottom cross braces.

1. Attach Rubber Feet to base using the four 5⁄16"-18 x 1" Hex bolts, Hex Nuts and Flat Washers provided. **Figure 2.**

Figure 2.

2. Attach the longer upper and lower cross braces to 2 of the stand legs. Bolt together using the 5/16"-18 x 1/2" Carriage Bolts, Washers and Hex Nuts provided. **Figure 3.** Repeat this step for the other 2 legs. **Note:** Do not tighten any bolts down until the stand is completely assembled.

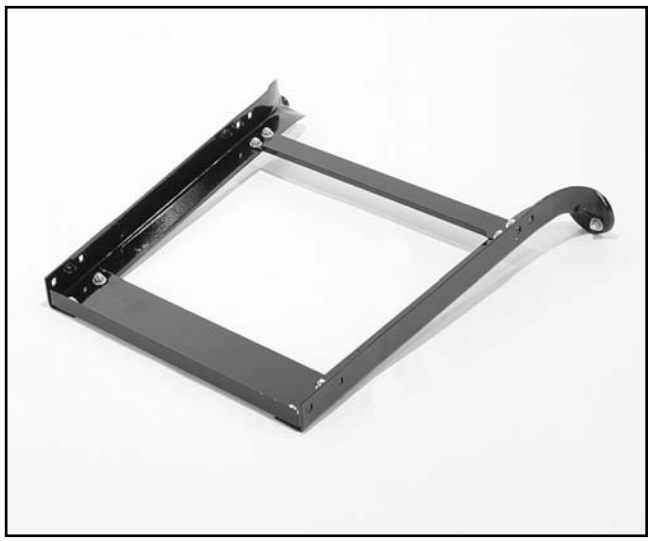


Figure 3.

3. Bolt the shorter upper and lower braces to one of the 2 stand sub-assemblies. **Figure 4.**

Figure 4.

4. Now attach the other sub-assembly to the ends of the short braces. Tighten down all the stand bolts at this time. **Figure 5.**

Figure 5.

Sanding Unit

1. Set the Sanding Unit on the Stand, carefully aligning the mounting holes in the cast iron base with the holes in the stand's top panel. **Note:** The Sanding Unit comprises most of the weight of the machine. Please use caution when lifting the unit onto the stand.

2. Secure the Sanding Unit to the Stand using the 5/16"-18 x 1/2" Hex Bolts and 5/16" washers provided.

3. Install the Idler Roller by sliding its flat-ended axles into the slotted ends of the roller Adjustment Bars. **Figure 6.**

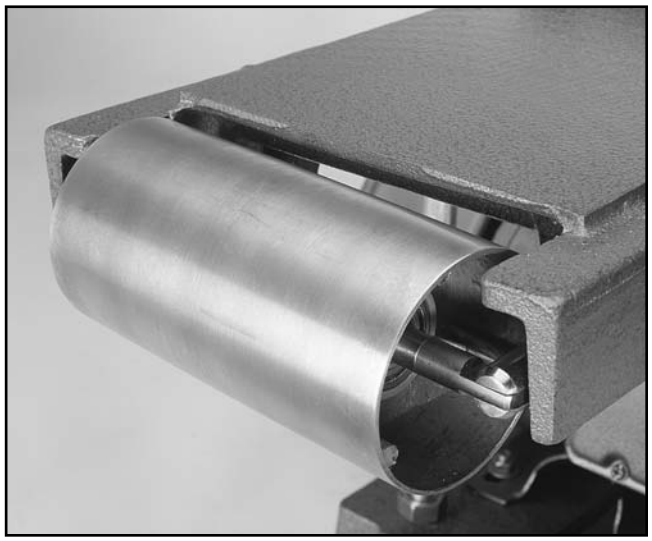


Figure 6.

4. Install the Sanding Disc as shown in **Figure 7.** Make sure the Setscrew is lined up on the flat spot on the drive shaft.

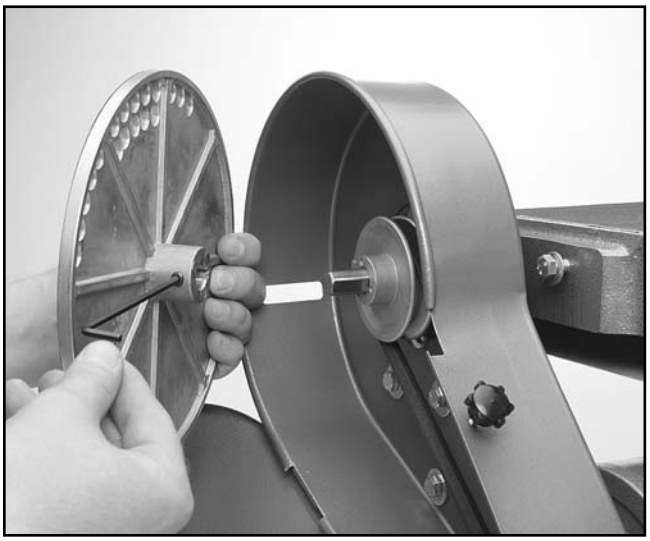


Figure 7.

5. At this point, install the back stop, using the Hex Bolt and Washer as shown in **Figure 7.**

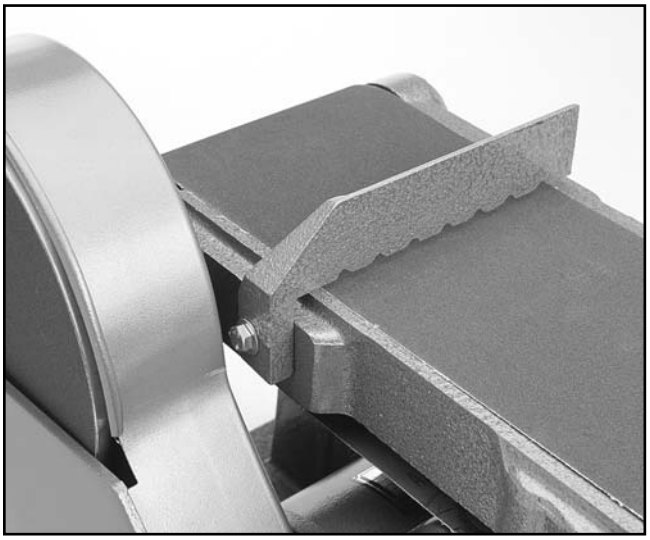


Figure 8.

6. Now install the Dust Port using the Hex Bolts and Washers as shown in **Figure 9.**

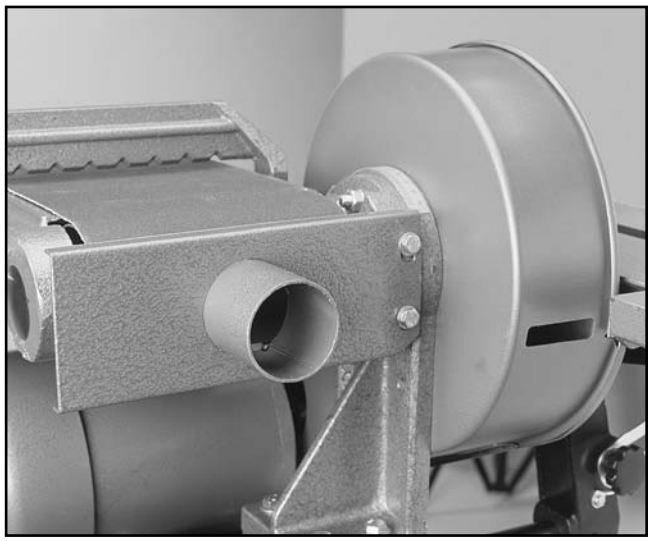


Figure 9.

7. The last step involves mounting the working table. Loosen the two setscrews in the cast iron base. Insert the table support rod into its hole, making sure the flat portion of the shaft is facing the setscrews. Tighten the setscrews. **Figure 10.**

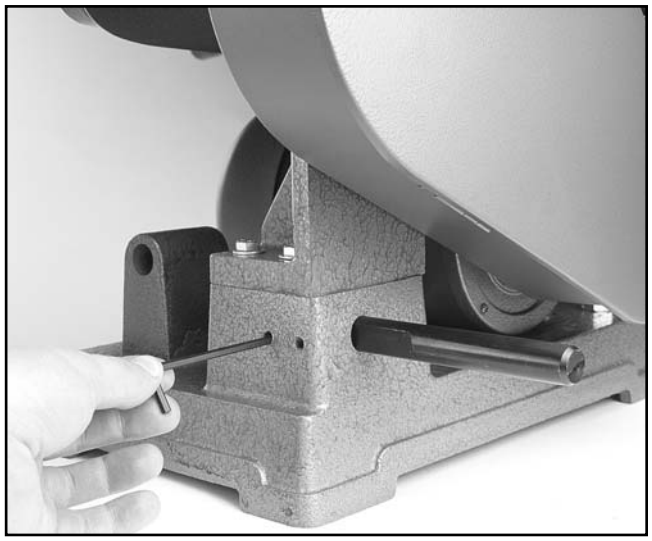


Figure 10.

8. Now slide the working table assembly onto the support shaft and tighten the setscrews. Keep in mind that there should be a $^{1}/_{16}$" gap between the sanding disc and the table. **Figure 11.**

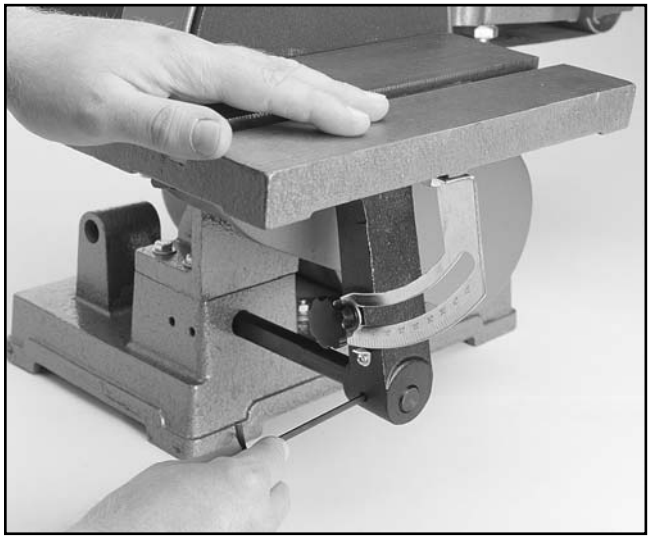


Figure 11.

SECTION 5: ADJUSTMENTS

Belt Replacement

With the exception of Belt Tracking, adjustments to your Combination Sander should be made with the power off *and* the machine unplugged.

Unlock the Quick-Release Lever by pulling the lever straight out. **Figure 12.** Slide the belt off the rollers straight toward you. Reverse this process to install a new belt.

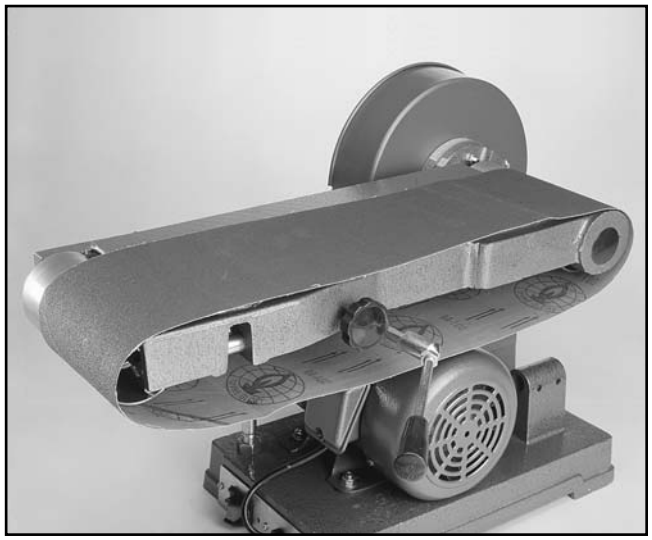


Figure 12.

Belt Tracking

The goal of this procedure is to achieve proper belt tracking that prevents the belt from wandering off to either side.

1. To adjust the tracking, quickly turn the sander on and off. Observe the belt's behavior. If the belt moves to one side or the other, you will need to adjust the tracking knob. **Figure 13.**

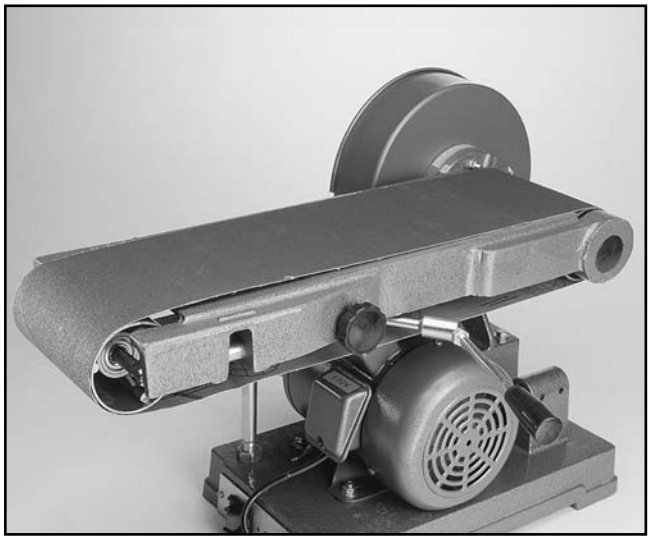


Figure 13.

2. Turn the knob approximately ¼ turn clockwise to move the belt towards the tracking knob, counter-clockwise to move the belt away.

3. Turn the machine on and off again quickly to see if the tracking has improved. If not, repeat **step 1.** If tracking is improved move to **step 4.**

4. Now with the sander running, adjust the knob to fine tune the belt tracking.

Belt Tensioning

Correct belt tension will insure that your sander functions properly. Too little tension will allow the belt to slip and may cause the sander to track erratically. Too much will cause the drive drum to creep on the drive shaft and possibly cause premature bearing failure. It is impossible to describe ideal belt tension. A good rule of thumb is less tension is better than too much. If the belt sounds like a drum when plucked, your tension is probably set too tight. If your belt does not track and slips under load, it is too loose. Use the following steps to adjust tension.

1. With belt installed and quick release lever engaged, loosen Hex Bolt, PN # 91 slightly. **Figure 14. Note:** Figure 14 is depicted with the belt removed for illustration purposes only. Normally steps 1-4 are done with the belt installed.

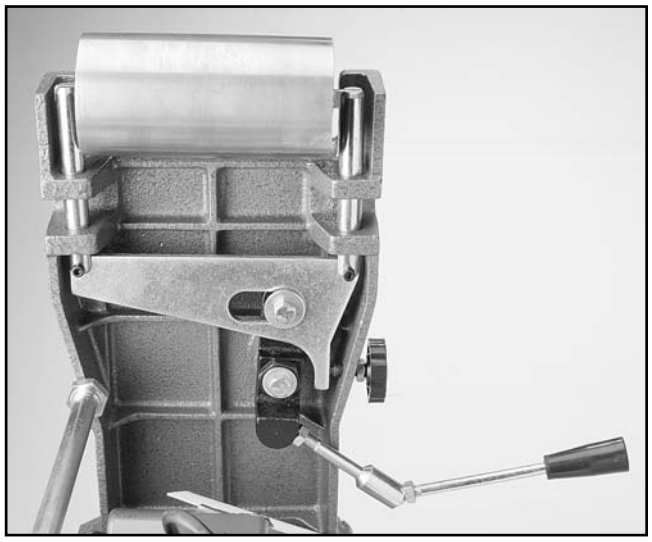


Figure 14.

2. Use a large open end adjustable wrench and carefully rotate the eccentric, PN # 84A to increase or decrease tension. Remember: The belt should not sound like a drum when plucked. If it does, decrease the tension. **Figure 15.**

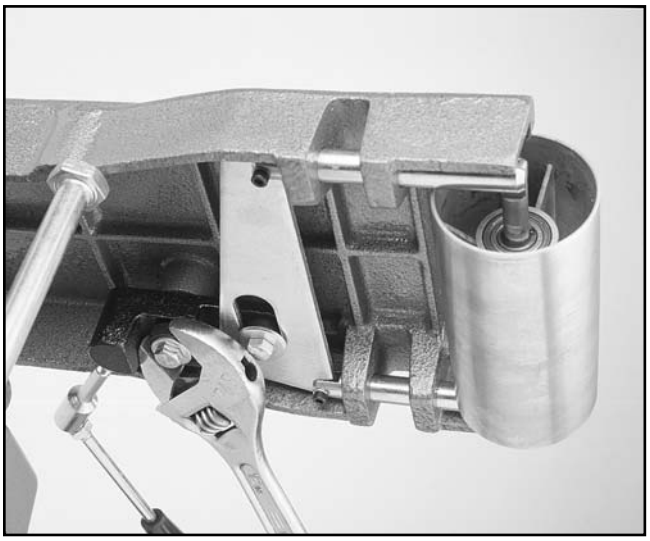


Figure 15.

3. Tighten hex bolt, PN # 91 and run the sander to adjust the tracking if necessary.

4. Try aggressively sanding a piece of scrap wood. If the tracking is not significantly affected and the belt does not slip on the drum, your belt tension is correct.

Vertical Positioning

The 6" belt arm can also be operated in a vertical position. Adjustment procedures are listed below.

1. Loosen the two nuts shown in **Figure 16** (one nut is obscured by the belt arm in this photo but it is directly below the visible one). With these nuts loose, the belt frame can be raised to its vertical position. Tighten the nuts down.

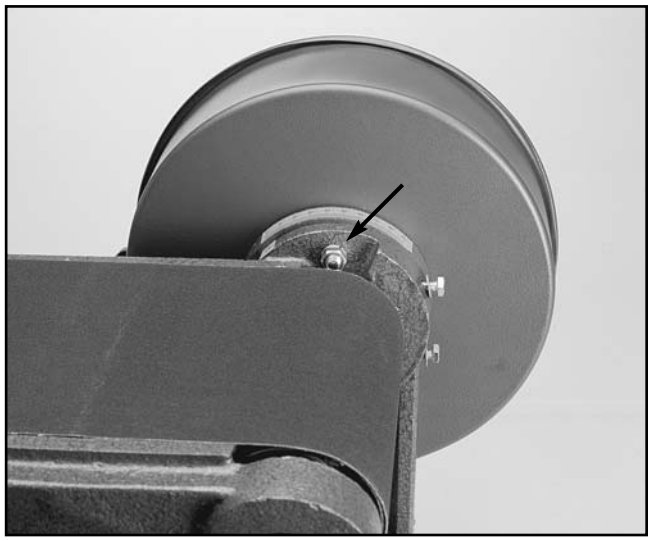


Figure 16.

2. The Sanding Disc Table can also be moved to become a work table for belt sanding. Simply remove the Table Support Shaft from the base and insert it into the mounting bracket behind the motor. The Bracket's location is shown in **Figure 17.**

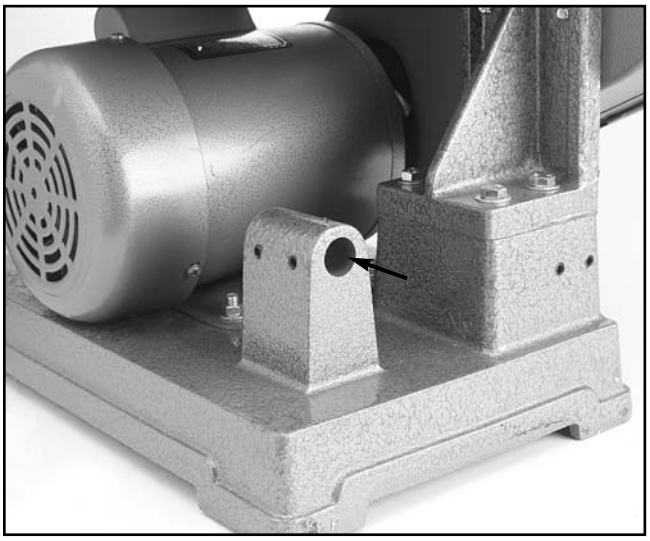


Figure 17.

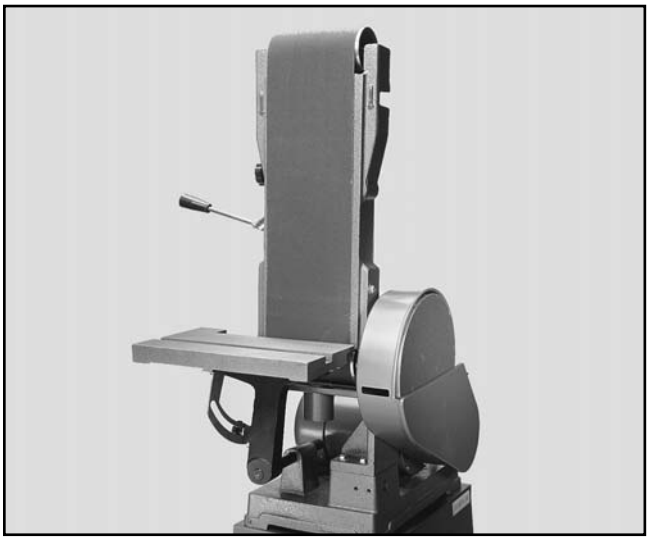


Figure 18. Setup for vertical sanding.

Changing Discs

To replace the sanding disc:

1. Remove the Working Table.

2. Remove the Cover Knob and open the Cover Door.

3. Peel off the old Sanding Disc. Remove the backing from the new Disc, center it and press it firmly into place.

4. It may become necessary to remove the Cast Iron Disc from the Motor Shaft because the Sanding Disc cannot be peeled off or the Cast Iron Disc requires cleaning. See page 10.

Table tilt

1. Loosen the table lock knob. **Figure 19.**

2. The table can now be set to any angle between 0-45˚.

Figure 19.

SECTION 6: OPERATIONS

Test Run

Once assembly is complete and adjustments are done to your satisfaction, you are ready to test the machine.

Turn on the power supply at the main panel. Press the START button. Make sure that your finger is poised on the STOP button, just in case there's a problem. The sander should run smoothly, with little or no vibration or rubbing noises. Strange or unnatural noises should be investigated and corrected before operating the machine further.

WARNING: *DO NOT attempt to investigate or adjust the machine while it is running. Wait until the machine is turned off, unplugged and all working parts have come to a rest before you do anything!*

If noises occur that cannot be found by visual inspection, feel free to contact our service department for help.

Horizontal Sanding

1. Turn the sander on and allow the belt to reach full speed.

2. Place the workpiece flat on the belt. Be sure to hold the work securely with both hands. Place one hand at the end of the workpiece to feed it against the rotation of the belt, and one hand lightly on top of the piece to ensure adequate stock removal. **Figure 20.**

3. Depending on the length of the workpiece, use the back stop to prevent it from being ejected by the belt. If your workpiece is too long, simply remove the back stop.

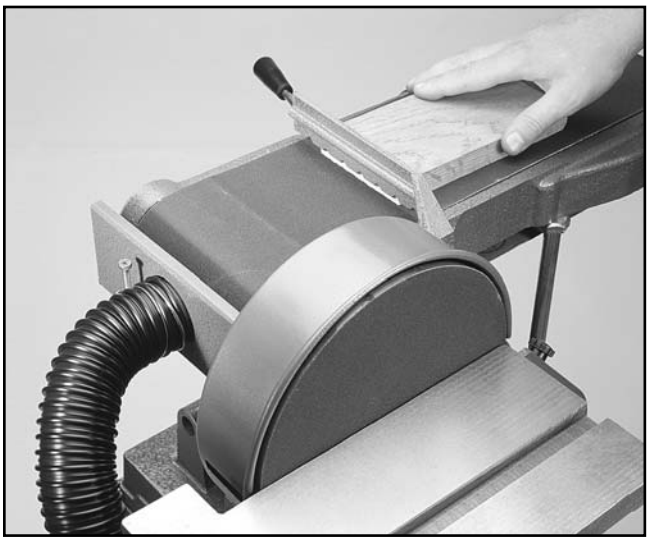


Figure 20.

Curved Sanding

To sand curves, use the end of the belt arm. Hold the workpiece firmly and apply light, even pressure to the belt. To avoid excessive loading of the belt in one area, move workpiece slowly across entire surface of belt. **Figure 21.**

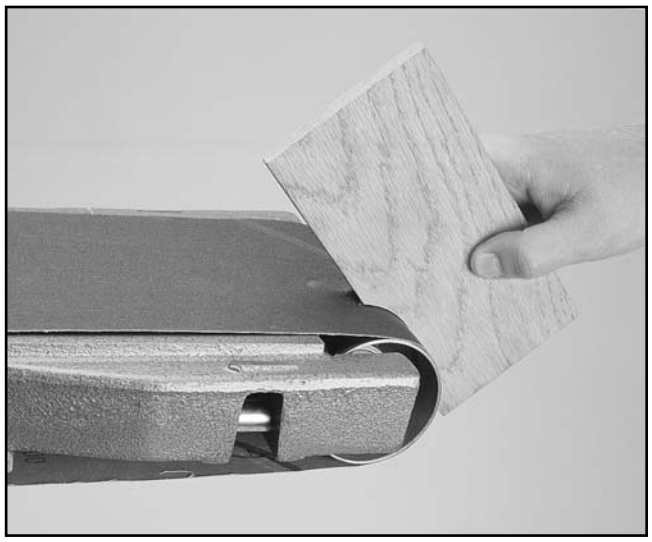


Figure 21.

Disc Sanding

1. Loosen table lock knob and tilt work table to desired angle. Tighten lock knob.

2. Ease workpiece into the half of the disc that spins down toward the table. **Figure 22.**

3. When using the table for beveled sanding operations, smaller workpieces are at risk of getting jammed between the disc (or vertical belt) and the table. **Figure 23.**

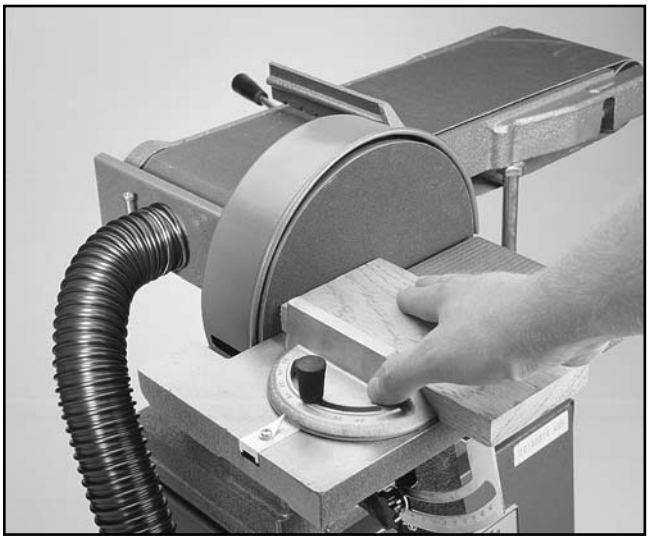


Figure 22.

Figure 23.

SECTION 7: MAINTENANCE

General

Make a habit of inspecting your sander each time you use it. Check for the following conditions and repair or replace when necessary.

1. Loose mounting bolts.
2. Worn switch.
3. Worn or damaged cords and plugs.
4. Worn or damaged V-belt.
5. Poor belt tensioning/tracking.

V- Belt

Without proper belt tension and correct pulley alignment, your sander will vibrate excessively and wear out the V-belt and the bearings much faster than normal. The pulleys can be aligned by placing a straightedge along the outside flanges and sighting down the straightedge. Move one pulley along the shaft until both pulleys are in line. Proper belt tension can be checked by squeezing the midpoint of the belt with moderate pressure (about 5 pounds). The resulting deflection should be about 1/4". If it isn't, it will be necessary to loosen the motor mount bolts and slide the motor to either add or subtract tension from the belt.

Lubrication

Your combination sander is equipped with shielded and pre-lubricated ball bearings and require no lubrication for the life of the bearings. All bearings are common sizes and are readily available from a local bearing supply house or our Service Department.

Table

The working table and other non-painted surfaces on the Model G1014Z should be protected against rust and pitting. Wiping the sander clean after every use ensures that sawdust isn't allowed to trap moisture against bare metal surfaces.

Some woodworkers recommend using automotive paste wax on exposed steel and cast iron surfaces. The wax provides a layer of protection, as well as reducing friction between lumber and the table. Avoid waxes that contain silicone or other synthetic ingredients. These materials can find their way into lumber that's being sanded and can make staining and finishing difficult. If you use paste wax, make sure that it's 100% Carnauba wax.

SECTION 8: CLOSURE

The following pages contain general machine specifications, parts diagram and list and Warranty/Return information for your Model G1014Z Combination Sander.

If you need parts or help in assembling your machine, or if you need operational information, we encourage you to call our Service Department. Our trained service technicians will be glad to help you.

If you have comments or concerns dealing specifically with this manual, please write to our Bellingham, Washington location using the address in the Introduction. The specifications, drawings, and photographs illustrated in this manual represent the Model G1014Z as supplied when the manual was prepared. However, due to Grizzly's policy of continuous improvement, changes may be made at any time with no obligation on the part of Grizzly. Whenever possible, though, we send manual updates to all owners of a particular tool or machine. Should you receive one, add the new information to this manual and keep it for reference.

The information in this manual has been obtained from sources we believe to be reliable and as up-to-date as possible. We have included some important safety measures which are essential to this machine's operation. While most safety measures are generally universal, Grizzly reminds you that each workshop is different and safety rules should be considered *as they apply to your specific situation.*

We recommend you keep a copy of our current catalog for complete information regarding Grizzly's warranty and return policy. If you need additional technical information relating to this machine, or if you need general assistance or replacement parts, please contact the Service Department listed in the introduction.

Additional information sources are necessary to realize the full potential of this machine. Trade journals, woodworking magazines, and your local library are good places to start.

WARNING!

Like all power tools, there is danger associated with the Model G1014Z Combination Sander. Use the tool with respect and caution to lessen the possibility of mechanical damage or operator injury. If normal safety precautions are overlooked or ignored, injury to the operator or others in the area is likely.

The Model G1014Z was specifically designed for sanding operations. **DO NOT MODIFY AND/OR USE THIS SANDER FOR ANY OTHER PURPOSE. Modifications or improper use of this tool will void the warranty.** If you are confused about any aspect of this machine, **DO NOT** use it until all your questions have been answered.

Machine Data

GRIZZLY MODEL G1014Z COMBINATION SANDER

Design Type ..... Floor Model

Overall Dimensions and Specifications:

Base .....16 ½" x 15"
Height (Belt arm horizontal) .....40"
Height (Belt arm vertical).....56"
Width .....20"
Length .....22"
Table (Disc) .....6" x 11 ¾"
Motor Shaft Size.....⅝"
Weight .....120 lbs.

Features:

Sanding Belt.....6" x 48"
Sanding Belt Speed.....2300 SFPM
Cast Iron Disc .....9" Diameter
Cast Iron Disc Speed .....3450 RPM
Roller Drive .....Ball Bearing
Miter Gauge Groove.....⅜" x ¾"
Miter Gauge .....Die Cast Aluminum / Aluminum Bar
Table Tilt Range.....0-45°

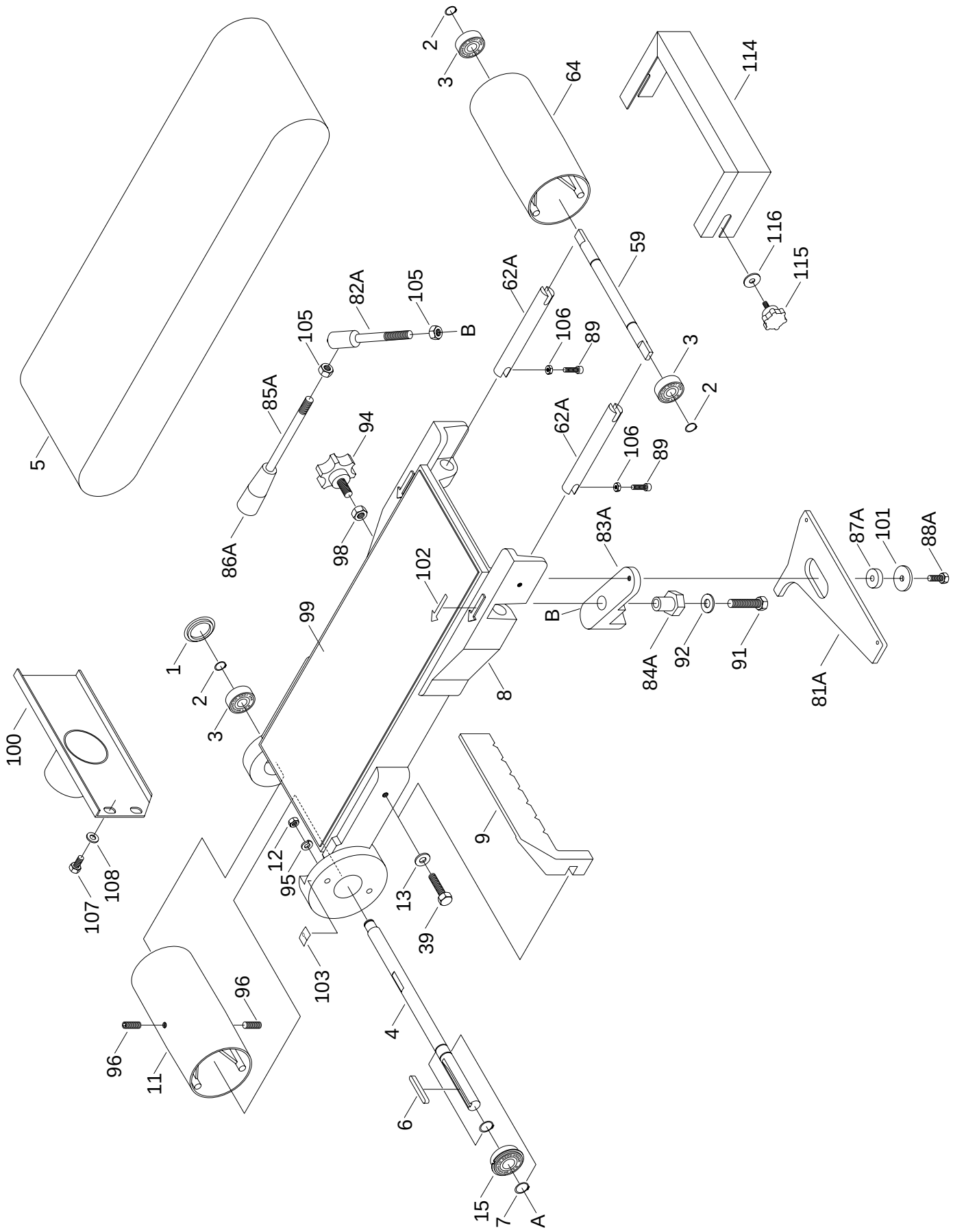
Construction:

Base.....Cast Iron
Table (Disc) .....Cast Iron
Stand.....Stamped Steel

Motor:

Horsepower .....¾ HP
Phase Type / Voltage.....Single Phase / 110V/220V
Amperage .....10@110V / 5@120V
Cycle and RPM.....60 Hertz / 3450 RPM
Switch .....On / Off Toggle
Power Transfer .....Belt Drive
Bearings .....Sealed, Permanently Lubricated

Specifications, while accurate, are subject to change without notice.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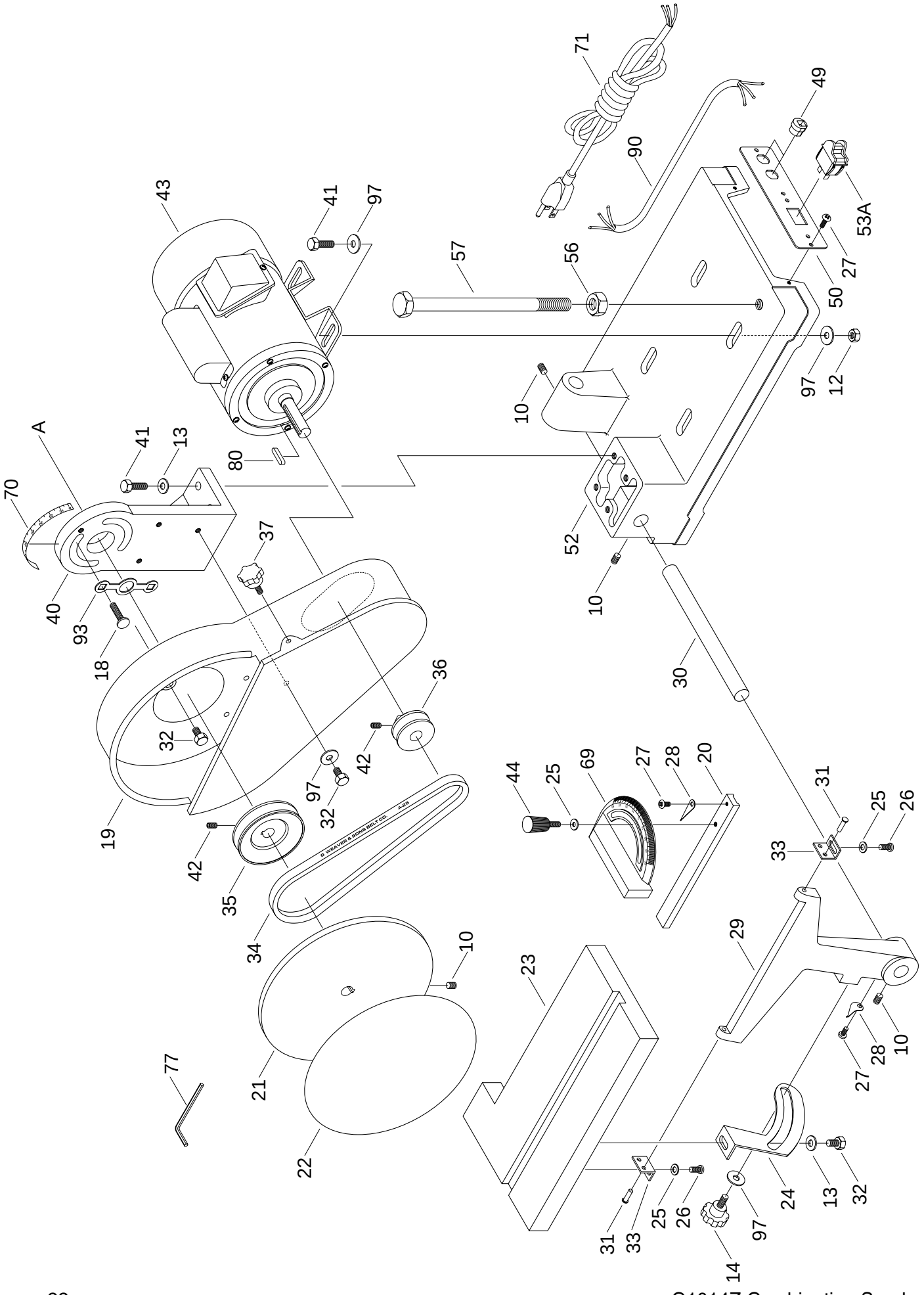
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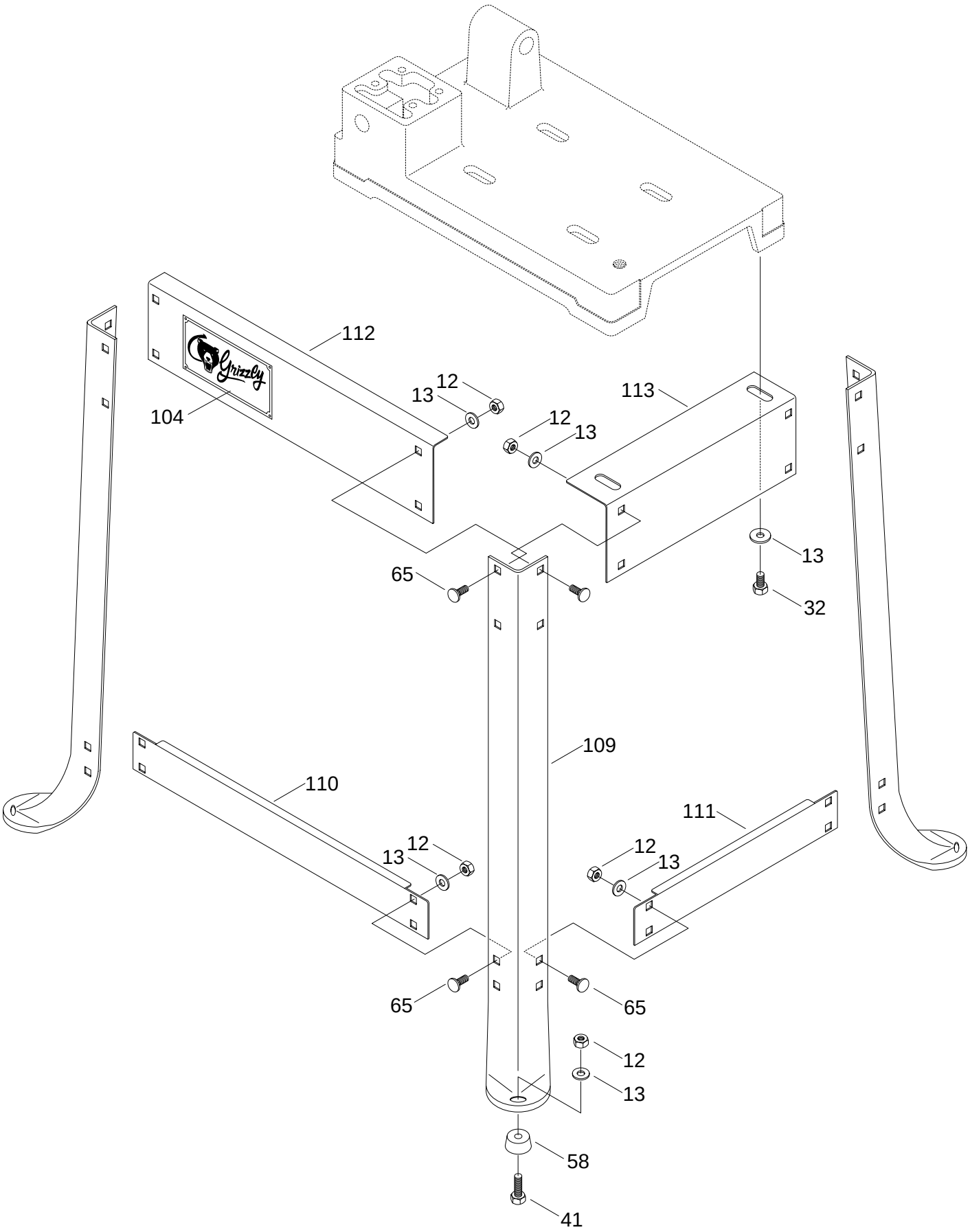
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REF	PART #	DESCRIPTION
01	P1014001	DUST COVER
02	PR03M	SNAP RING 12MM
03	P6201	BEARING 6201-2RS
04	P1014004	DRIVE SHAFT
05	G1214	SANDING BELT 6" X 48"
06	PK02M	KEY 5 X 5X 40
07	PR02M	SNAP RING 14MM
08	P1014008	SANDING BELT FRAME
09	P1014009	BACK STOP
10	PSS02	SETSCREW 5/16"-18 x 3/8"
11	P1014011	DRIVE ROLLER
12	PN02	HEX NUT 5/16"-18
13	PW07	FLAT WASHER 5/16"
14	P1014014	KNOB
15	P1014015	BEARING 6202-2RSNR
18	PCB06	CARRIAGE BOLT 5/16"-18x1 1/4"
19	P1014019	PULLEY COVER
20	P1014020	TABLE LOCK HANDLE
21	P1014021	CAST IRON DISC 9"
22	G1217	SANDING DISC
23	P1014023	TABLE
24	P1014024	TRUNNION
25	PW06	FLAT WASHER 1/4"
26	PS04	PHILLIPS SCREW 1/4"-20 x 1/2"
27	PS01	PHILLIPS SCREW 10-24 x 1/2"
28	P1014028	POINTER
29	P1014029	TABLE SUPPORT BRACKET
30	P1014030	SUPPORT BAR
31	P1014031	PIN
32	PB09	HEX BOLT 5/16"-18 x 1/2"
33	P1014033	TABLE MOUNT
34	PVFM25	V-BELT FM25
35	P1014035	PULLEY
36	P1014036	MOTOR PULLEY
37	P1014037	KNOB
39	PB12	HEX BOLT 5/16"-18 x 1 1/4"
40	P1014040	BRACKET
41	PB03	HEX BOLT 5/16"-18 x 1"
42	PSS03	SETSCREW 1/4"-20 x 3/8"
43	P1014043	MOTOR
44	P1014044	KNOB
49	P1014049	STRAIN RELIEF
50	P1014050	SWITCH PLATE
52	P1014052	BASE
53A	PSW07	SWITCH
56	PN04	HEX NUT 5/8"-11

REF	PART #	DESCRIPTION
57	P1014057	SUPPORT 5/8"-11 x 9"
58	P1014058	FOOT
59	P1014059	IDLER ROLLER SHAFT
62B	P1014062B	ROLLER ADJ BAR
64	P1014064	IDLER ROLLER
65	PCB05	CARRIAGE BOLT 5/16-18 x 3/4"
69	P1014069	MITER BODY
70	P1014070	SCALE
71	P1014071	POWER CORD
77	PAW04M	ALLEN WRENCH 4MM
80	PK23M	KEY 5 X 5 X 25
81A	P1014081A	ROCKER PLATE
82A	P1014082A	LEVER, SHORT
83A	P1014083A	ROCKER ARM
84A	P1014084A	ECCENTRIC
85A	P1014085A	LEVER, LONG
86A	P1014086A	KNOB, 3/8-16
87A	P1014087A	SPACER
88A	PB21	HEX BOLT 3/8"-16 x 3/4"
89	PSB31	CAP SCREW 10-24 x 5/8"
90	P1014090	MOTOR CORD
91	PB16	HEX BOLT 3/8"-16 x 1 1/2"
92	PW02	FLAT WASHER 3/8"
93	P1014093	WASHER PLATE
94	P1014094	KNOB
95	PLW01	LOCK WASHER 5/16"
96	PSS18	SETSCREW 5/16"-18 x 3/4"
97	P1014097	FENDER WASHER
98	PN11	HEX NUT 3/8"-24
99	P1014099	GRAPHITE PAD
100	P1014100	DUST PORT
101	P1014101	FENDER WASHER 3/8"
102	P1014102	DIRECTION SCALE
103	P1014103	POINTER
104	P1014104	NAME PLATE
105	PN08	HEX NUT 3/8"-16
106	PN07	HEX NUT 10-24
107	PB19	HEX BOLT 1/4"-20 x 1/2"
108	PW06	FLAT WASHER 1/4"
109	P1014109	LEG
110	P1014110	LOWER BRACE, LONG
111	P1014111	LOWER BRACE, SHORT
112	P1014112	UPPER BRACE, LONG
113	P1014113	UPPER BRACE, SHORT
114	P1014114	IDLER ROLLER GUARD

WARRANTY AND RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number", which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.